

***NATIONAL WEATHER SERVICE INSTRUCTION 10-511
OCTOBER 1, 2003***

***Operations and Services
Public Weather Services, NWSPD 10-5***

WFO SEVERE WEATHER PRODUCTS SPECIFICATION

NOTICE: This publication is available at: <http://www.nws.noaa.gov/directives/>

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<u>signed</u>	<u>04/04/03</u>
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WFO Severe Weather Products Specification

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1. Introduction. This procedural instruction describes the severe weather products issued by Weather Forecast Offices (WFO), guidelines associated with these products, detailed content as needed, and a generic format for each product type.

2. **Areal Outline Statement (Product Category SLS).**

2.1 Mission Connection. Regionally designated WFOs in the continental United States (CONUS) will issue Areal Outline Statements to define the counties and independent cities included in an initial convective watch area. This type of statement provides the public and emergency managers with the names of counties and independent cities threatened by potential severe weather.

2.2 Issuance Guidelines.

2.2.1 Creation Software. Designated WFOs should use WWA to create SLSs.

2.2.2 Issuance Criteria. An SLS is issued after receiving the Watch Outline Update Message from the Storm Prediction Center (SPC).

2.2.3 Issuance Time. WFOs should issue the SLS no later than 15 minutes after SPC issues the initial the Watch Outline Update Message (WOU). However, the issuance time will be set to match the issuance time of the WOU.

2.2.4 Valid Time. SLSs are valid until the expiration time of the convective watch.

2.2.5 Product Expiration Time. WFOs will set the expiration time equal to the time found in the WOU.

2.3 Technical Description. SLSs should follow the format and content described in this section.

2.3.1 Mass News Disseminator Broadcast Line. WFOs may use “BULLETIN - IMMEDIATE BROADCAST REQUESTED” in SLSs if requested by local emergency management and/or media. The term “BULLETIN” is used when information is sufficiently urgent to warrant breaking into a normal broadcast.

2.3.2 Mass News Disseminator Header. The SLS MND header is “(STATE - Optional) OUTLINE FOR TORNADO (or SEVERE THUNDERSTORM) WATCH NUMBER nnnn, where nnnn is the watch number and “STATE” is replaced with the state name(s).

2.3.3 Content. Regionally designated CONUS WFOs will issue SLSs for initial convective watch areas with proper time zone references. This statement should not change the watch area, however WFOs may make minor adjustments along the edges of the watch area for zone forecast boundaries, large cities, metropolitan areas, marine break points, adjacent coastal waters and

other significant geographical features. Adjacent coastal waters refers to a WFO's near shore responsibility (out to 5 nautical miles for the Great Lakes, and out to 20 nautical miles for oceans). WFOs may subdivide very large counties into the nine part divisions (i.e., northeast, east central, etc.) to allow a more precise definition of the convective watch area, otherwise this statement should describe parts of a state in terms of whole counties. WFOs with SLS responsibility will collaborate with other affected WFOs and SPC to ensure the counties and independent cities in the SLS match other convective watch products at issuance time.

2.3.4 Format.

WWUS6i Kccc ddhhmm
SLSst

BULLETIN - IMMEDIATE BROADCAST REQUESTED (**OPTIONAL**)
[STATE - Optional] AREAL OUTLINE FOR SEVERE THUNDERSTORM WATCH NUMBER nnnn
NATIONAL WEATHER SERVICE CITY STATE
time am/pm time_zone day mon dd yyyy

SEVERE THUNDERSTORM (or TORNADO) WATCH NUMBER nnnn IS IN EFFECT UNTIL XXX AM/PM
TIME ZONE AND INCLUDES THE FOLLOWING AREAS... (The ellipsis is critical to mark the end of the
text, and signal that UGC codes follow)

STC001-002-003-ddhhmm-

PORTION OF STATE (OPTIONAL)
LIST OF COUNTIES
LIST OF INDEPENDENT CITIES
LIST OF CITIES IN THE COUNTIES MENTIONED ABOVE (OPTIONAL)

\$\$ (END OF SEGMENT)

STC001-002-003-ddhhmm-

PORTION OF STATE (OPTIONAL)
LIST OF COUNTIES
CITIES (OPTIONAL)

\$\$ (END OF SEGMENT)

Figure 1. Areal Outline Statement Format

2.4 Updates, Amendments and Corrections. Updates and amendments are not applicable. WFOs will correct statements for format and grammatical errors.

3. Severe Thunderstorm Warning (product category SVR).

3.1 Mission Connection. Severe Thunderstorm Warnings are issued to protect lives and property. WFO forecasters issue Severe Thunderstorm Warnings to provide the public and emergency managers with advance notice of damaging wind gusts and large hail.

3.2 Issuance Guidelines.

3.2.1 Creation Software. WFOs will use WarnGen to issue Severe Thunderstorm Warnings.

3.2.2 Issuance Criteria. WFOs should issue Severe Thunderstorm Warnings when there is radar or satellite indication and/or reliable spotter reports of wind gusts equal to or in excess of 50 knots (58 mph) and/or hail size of 3/4 inch (penny) diameter or larger.

3.2.3 Issuance Time. Severe Thunderstorm Warnings are non-scheduled, event driven products.

3.2.4 Valid Time. Valid times should be 30 to 60 minutes. After 60 minutes, WFOs should issue a new warning to extend the valid time.

3.2.5 Product Expiration Time. The product expiration time is the end of warning valid time.

3.3 Technical Description. Severe Thunderstorm Warnings will follow the format and content described in this section.

3.3.1 UGC Type. County (Zone for Alaska and Pacific Regions)

3.3.2 Mass News Disseminator Broadcast Line. SVRs should include the broadcast line "BULLETIN - EAS ACTIVATION REQUESTED." If a state does not require EAS activation for SVRs, the broadcast line will read "BULLETIN - IMMEDIATE BROADCAST REQUESTED." The term "BULLETIN" is used when information is sufficiently urgent to warrant breaking into a normal broadcast.

3.3.3 Mass News Disseminator Header. The SVR MND header is "SEVERE THUNDERSTORM WARNING".

3.3.4 Content. WFOs should not combine Severe Thunderstorm and Flash Flood Warnings. Severe Thunderstorm Warnings will include the possibility of tornadoes if a Tornado Watch is in effect. If a severe thunderstorm moves over coastal waters, a Special Marine Warning will be issued (see NWSI 10-313 for details on Special Marine Warnings). Severe Thunderstorm Warnings will follow a standard bullet style format. WFOs should keep bullets brief. WFOs should include call to action statements. The WFO Shift Leader on duty may discontinue call to action statements in warnings during widespread severe weather outbreaks.

Locations should be larger towns and other familiar landmarks. WFOs may reinforce the warning with recent history to support their reasoning. Names of states and counties (or parts of counties) should be spelled out. WFOs should use the the nine part divisions (i.e., northeast, east central, etc.) to identify portions of states or counties under warnings. WFOs may use mileage markers as reference points in rural areas when a storm is occurring or forecast to move over a major highway.

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The Severe Thunderstorm Warning format will contain this information in the following order:

- a. Type of warning; and warning location(s);
- b. Valid time;
- c. Time, basis for warning; forecast impacts (range of hail sizes and wind gusts);
- d. Indicate which locations are to be impacted during the warning, using the nationally approved pathcast and non-pathcast formats (see Section 3.3.5);
- e. A BRIEF concluding paragraph with additional information, and call-to-action should be included; and
- f. The latitude and longitude pairs outlining the ‘area of greatest impact’ polygon drawn in WarnGen will be included after the fourth bullet and call to action. Forecasters should draw the polygon to be a subset of the warned county(ies) and show only the area where severe weather is expected (i.e. unless severe weather is expected to cover the entire county, do not mirror the warned county outline).

3.3.5 Format.

WUaa5i cccc ddhhmm
 SVRccc
 STC001-002-ddhhmm-
 /aaa.cccc.pp.s.#####.yymmdd_BThhnnZ-yymmdd_EThhnnZ/ (See NWSI 10-1703 for VTEC code definitions)

BULLETIN - EAS ACTIVATION (or IMMEDIATE BROADCAST) REQUESTED
 SEVERE THUNDERSTORM WARNING (...CORRECTED as required)
 NATIONAL WEATHER SERVICE CITY STATE
 time am/pm time_zone day mon dd yyyy

THE NATIONAL WEATHER SERVICE IN CITY
 HAS ISSUED A

* SEVERE THUNDERSTORM WARNING FOR...
 COUNTY ONE IN SECTION STATE (List warned counties)
 COUNTY TWO IN SECTION STATE (# Counties will match # counties in UGC Line)

* UNTIL hhmm am/pm time_zone (Expiration time of warning)

* AT hhmm am/pm time_zone... (Warning basis statement)
 (List impacts, including expected hail sizes and range of wind gusts)

* THE SEVERE THUNDERSTORM WILL BE NEAR... (Pathcast Version)
 LOCATION #1 AROUND hhmm am/pm...
 LOCATION #2 AROUND hhmm am/pm...

OR

LOCATIONS IMPACTED INCLUDE... (No Pathcast Version)
 LOCATION #1...
 LOCATION #2...

(Impact Locations are mandatory, either pathcast or no pathcast version listed above)

CALL TO ACTION

LAT...LON (Mandatory list of latitude/longitude points outlining the forecaster-drawn polygon
 in WarnGen)

\$\$
 FORECASTER NAME/NUMBER (OPTIONAL)

Figure 2. Severe Thunderstorm Warning Format

3.4 Updates, Amendments and Corrections. Updates and amendments are not applicable. WFOs will reissue Severe Thunderstorm Warnings for significant grammatical errors, format or dissemination code errors, or for counties either omitted or erroneously added to a warning. Corrected warnings will have the same time in the Mass News Dissemination Header as the original warning. WFOs will issue Severe Weather Statements to inform customers of erroneous

counties removed from original warnings (either in the FIPS/Zone UGC code or in the body of the warning).

4. **Tornado Warning (product category TOR).**

4.1 **Mission Connection.** Tornado warnings are issued to protect lives and property. WFO forecasters issue Tornado Warnings to provide the public and emergency managers with advance notice of tornadoes.

4.2 **Issuance Guidelines.**

4.2.1 **Creation Software.** WFOs will use WarnGen to issue tornado warnings.

4.2.2 **Issuance Criteria.** WFOs should issue Tornado Warnings when there is radar or satellite indication and/or reliable spotter reports of a tornado.

4.2.3 **Issuance Time.** Tornado Warnings are non-scheduled, event driven products.

4.2.4 **Valid Time.** Valid times should be 15 to 45 minutes. After 45 minutes, WFOs should issue a new warning to extend the valid time.

4.2.5 **Product Expiration Time.** The product expiration time is the end of warning valid time.

4.3 **Technical Description.** Tornado Warnings will follow the format and content described in this section.

4.3.1 **UGC Type.** County (Zone for Alaska and Pacific Regions).

4.3.2 **Mass News Disseminator Broadcast Line.** TORs will include the broadcast line "BULLETIN - EAS ACTIVATION REQUESTED." The term "BULLETIN" is used when information is sufficiently urgent to warrant breaking into a normal broadcast.

4.3.3 **Mass News Disseminator Header.** The TOR MND header is "TORNADO WARNING."

4.3.4 **Content.** If a tornado moves over coastal waters, a Special Marine Warning will be issued (see NWSI 10-313 for details on Special Marine Warnings). Tornado Warnings will follow a standard bullet style format. WFOs should keep bullets brief. WFOs should include a call to action statement. The WFO Shift Leader on duty may discontinue call to action statements in warnings during widespread tornadic outbreaks.

Locations should be larger towns and other familiar landmarks. WFOs may reinforce the warning with recent history to support their reasoning. Names of states and counties (or parts of counties) should be spelled out. WFOs should use the nine part divisions (i.e., northeast, east central, etc.) to identify portions of states or counties under warnings. WFOs may use mileage

markers as reference points in rural areas when a storm is occurring or forecast to move over a major highway.

The Tornado Warning format will contain this information in the following order:

- a. Type of warning; warning location(s);
- b. Valid time;
- c. Time, basis for warning; forecast impacts;
- d. Indicate which locations are to be impacted during the warning, using the nationally approved pathcast and non-pathcast formats (see Section 4.3.5);
- e. A BRIEF concluding paragraph with additional information, and call-to-action should be included; and
- f. The latitude and longitude pairs outlining the “area of greatest impact” polygon drawn in WarnGen will be included after the fourth bullet and call to action. Forecasters should draw the polygon to be a subset of the warned county(ies) and show only the area where severe weather is expected (i.e. unless severe weather is expected to cover the entire county, do not mirror the warned county outline).

4.3.5 Format.

WFaa5i cccc ddhhmm
 TORccc
 STC001-002-ddhhmm-
 /aaa.cccc.pp.s.#####.yymmd_Bd_BThhnnZ-yymmd_Ed_EThhnnZ/ (See NWSI 10-1703 for VTEC code definitions)

BULLETIN - EAS ACTIVATION REQUESTED
 TORNADO WARNING
 NATIONAL WEATHER SERVICE CITY STATE
 time am/pm time_zone day mon dd yyyy

THE NATIONAL WEATHER SERVICE IN CITY
 HAS ISSUED A

* TORNADO WARNING FOR...
 COUNTY ONE IN SECTION STATE (List warned counties)
 COUNTY TWO IN SECTION STATE (# Counties will match # counties in UGC Line)

* UNTIL hhmm am/pm time_zone (Expiration time of warning)

* AT hhmm am/pm time_zone...(Warning basis statement and forecast impacts)

* THE TORNADO WILL BE NEAR... (Pathcast Version)
 LOCATION #1 AROUND hhmm am/pm...
 LOCATION #2 AROUND hhmm am/pm...

OR

LOCATIONS IMPACTED INCLUDE... (No Pathcast Version)
 LOCATION #1...
 LOCATION #2...

(Impact Locations are mandatory, either pathcast or no pathcast version listed above)

CALL TO ACTION

LAT...LON (Mandatory list of latitude/longitude points outlining the forecaster-drawn polygon in WarnGen)

\$\$

FORECASTER NAME/NUMBER (OPTIONAL)

Figure 3. Tornado Warning Format

4.4 Updates, Amendments and Corrections. Updates and amendments are not applicable. WFOs will reissue Tornado Warnings for significant grammatical errors, format or dissemination code errors, or for counties either omitted or erroneously added to a warning. Corrected warnings will have the same time in the Mass News Dissemination Header as the original warning. WFOs will issue Severe Weather Statements to inform customers of erroneous

counties removed from original warnings (either in the FIPS/Zone UGC code or in the body of the warning).

5. **Severe Weather Statement (product category SVS).**

5.1 **Mission Connection.** Severe Weather Statements provide the public and emergency managers with updated information for specific Severe Thunderstorm and Tornado Warnings. Updated information includes reports of observed severe weather. They also inform the public and emergency managers when all or portions of a warning have been canceled or have expired.

5.2 **Issuance Guidelines.**

5.2.1 **Creation Software.** WFOs will use WarnGen to issue Severe Weather Statements.

5.2.2 **Issuance Criteria.** WFOs will issue a Severe Weather Statement to provide notice a Severe Thunderstorm or Tornado Warning has been canceled for all or portions of the warning. WFOs should issue SVSs at least once during the valid time of a Severe Thunderstorm or Tornado Warning. WFOs may issue a Severe Weather Statement to provide notice that a Severe Thunderstorm or Tornado Warning has expired.

WFOs will issue a Severe Weather Statement to notify customers that erroneous counties included in original Severe Thunderstorm or Tornado Warnings (either in the FIPs/Zone UGC code or in the body of the warning) have been removed.

5.2.3 **Issuance Time.** Severe Weather Statements are non-scheduled, event driven products.

5.2.4 **Valid Time.** The valid time will be from the time of issuance to the warning expiration or cancellation time.

5.2.5 **Product Expiration Time.** The product expiration time is no more than 15 minutes after the warning expiration or cancellation time.

5.3 **Technical Description.** Severe Weather Statements will follow the format and content described in this section.

5.3.1 **UGC Type.** County (Zone for Alaska and Pacific Regions).

5.3.2 **Mass News Disseminator Broadcast Line.** None.

5.3.3 **Mass News Disseminator Header.** The SVS MND header is "SEVERE WEATHER STATEMENT."

5.3.4 **Content.** WFOs should issue Severe Weather Statements to address the status of severe weather warnings. WFOs will not use Severe Weather Statements to extend convective watches or warnings. If the WFO Shift Leader on duty has discontinued call to action statements in

warnings, a SVS with a call to action statement will be issued to cover the widespread severe weather event for its duration.

5.3.5 Format.

```

WWUS5i Kccc ddhhmm
SVSccc
STC001-003-ddhhmm-
/aaa.cccc.pp.s.####.yymmddBThhnnZ-yymmddEThhnnZ/

SEVERE WEATHER STATEMENT
NATIONAL WEATHER SERVICE CITY STATE
time am/pm time_zone day mon dd yyyy

...SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT FOR COUNTIES A
AND B UNTIL hhmm am/pm time_zone...

UPDATED LOCATION AND MOVEMENT OF SEVERE THUNDERSTORMS. SPOTTER
REPORTS OF SEVERE WEATHER. LOCATIONS TO BE AFFECTED BY SEVERE
THUNDERSTORMS IN THE NEAR TERM (VALID TIME OF THE WARNING).

LAT...LON (Mandatory list of latitude/longitude points outlining the forecaster-drawn
polygon
in WarnGen)

$$

FORECASTER NAME/NUMBER (OPTIONAL)

```

Figure 4. Severe Weather Statement Format

The VTEC Event Tracking Number (####) in the SVS will match the corresponding active Severe Thunderstorm or Tornado Warning for updates and cancellations.

5.4 Updates, Amendments and Corrections. Updates and amendments are not applicable. WFOs will correct statements for format and grammatical errors as required.

6. Watch By County Notification Message (product category WCN).

6.1 Mission Connection. CONUS WFOs will issue Watch County Notification Messages (WCN) to provide the Storm Prediction Center (SPC), emergency managers, the media and the general public with a list of counties and cities in a convective watch area within their geographic area of responsibility.

6.2 Issuance Guidelines.

6.2.1 Creation Software. WFOs should use WWA to create WCNs.

6.2.2 Issuance Criteria. Affected WFOs will issue initial WCNs after SPC issues the initial Watch Outline Update Message (WOU). WFOs will issue updated WCNs to cancel, extend in time, or extend in area portions of a convective watch area.

6.2.3 Issuance Time. WCNs are non-scheduled, event driven products.

6.2.4 Valid Time. WCNs are valid until the next product update.

6.2.5 Product Expiration Time. The expiration time is equal to the convective watch end time found in the initial Watch Outline Update Message. WFOs may extend the expiration and convective watch end time in a WCN update.

6.3 Technical Description. WCNs will follow the format and content described in this section.

6.3.1 UGC Type. County.

6.3.2 MND Header. The WCN MND header is “WATCH COUNTY NOTIFICATION FOR WATCH NUMBER nnnn”, where “nnnn” is the watch number.

6.3.3 Content. WFOs and SPC are partners in the convective watch process. In the spirit of partnership, WFOs and SPC work toward a consensus convective watch area and duration before, during, and at the end of convective watches. This partnership is defined as collaboration.

The list of counties and independent cities in the initial WCN will match the list of counties and independent cities in the WOU issued by SPC for their geographic area of responsibility. WFOs will issue updated WCNs to continue, cancel or extend in time and/or area portions of an active convective watch. WFOs will collaborate with SPC on counties added and/or time extensions to the initial convective watch area. The final WCN for a particular convective watch will cancel all remaining counties in the watch for their geographic area of responsibility.

6.3.4 Format.

(Initial Issuance, Continuing, Canceling, Extending in Area)

WWUS6i Kccc ddhhmm
WCNccc

WATCH COUNTY NOTIFICATION FOR WATCH nnnn
NATIONAL WEATHER SERVICE CITY STATE
time am/pm time_zone day mon dd yyyy

STC001-003-ddhhmm-
/aaa.cccc.pp.s.####.yymmdd_BThhnnZ-yymmdd_EThhnnZ/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM (OR TORNADO)
WATCH NUMBER nnnn IN EFFECT UNTIL time am/pm time_zone FOR THE FOLLOWING COUNTIES:

IN STATE 1:

LIST OF COUNTIES AND INDEPENDENT CITIES

IN STATE 2:

LIST OF COUNTIES AND INDEPENDENT CITIES

OTHER CITIES IN STATES 1 AND 2 (OPTIONAL)

\$\$ (END OF SEGMENT)

STC001-003-ddhhmm-
/aaa.cccc.pp.s.####.yymmdd_BThhnnZ-yymmdd_EThhnnZ/

THE NATIONAL WEATHER SERVICE IN CITY HAS CANCELED A PORTION (OR ALL) OF SEVERE
THUNDERSTORM (OR TORNADO) WATCH nnnn. THE COUNTIES CANCELED FROM THE SEVERE
THUNDERSTORM (OR TORNADO) WATCH INCLUDE:

IN STATE 1:

LIST OF COUNTIES AND INDEPENDENT CITIES

OTHER CITIES IN STATE 1 (OPTIONAL)

\$\$ (END OF SEGMENT)

Figure 5. Watch County Notification Message Format

(Extending in Time)

WWUS6i Kccc ddhhmm
WCNccc

WATCH COUNTY NOTIFICATION FOR WATCH nnnn
NATIONAL WEATHER SERVICE CITY STATE
time am/pm time_zone day mon dd yyyy

STC001-003-ddhhmm-
/aaa.cccc.pp.s.#####.yymmdd_BThhnnZ-yymmdd_EThhnnZ/

SEVERE THUNDERSTORM (OR TORNADO) WATCH NUMBER nnnn...PREVIOUSLY
IN EFFECT UNTIL time am/pm time_zone...HAS BEEN EXTENDED UNTIL time am/pm
time_zone FOR THE FOLLOWING COUNTIES:

IN STATE 1:

LIST OF COUNTIES AND INDEPENDENT CITIES

IN STATE 2:

LIST OF COUNTIES AND INDEPENDENT CITIES

OTHER CITIES IN STATE 1 AND 2 (OPTIONAL)

\$\$

Figure 6. Watch County Notification Message Format

The VTEC Event Tracking Number (#####) will match the SPC watch number designated in the WOU.

6.4 Updates, Amendments and Corrections. WFOs will update WCNs when counties are canceled from the watch or the watch area or valid time is extended. WFOs will correct WCNs for format and grammatical errors.

APPENDIX A - Examples

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1. Introduction. This appendix provides the public with examples of severe weather products issued by WFOs.
2. Areal Outline Statement.

WWUS61 KLWX 111609
SLSDC

BULLETIN - IMMEDIATE BROADCAST REQUESTED
AREAL OUTLINE FOR TORNADO WATCH NUMBER 673
NATIONAL WEATHER SERVICE BALTIMORE MD/WASHINGTON DC
1107 AM EST MON NOV 11 2002

TORNADO WATCH NUMBER 673 IS IN EFFECT UNTIL 300 PM EST AND INCLUDES
THE FOLLOWING AREAS...

VAC001-036-073-093-095-097-101-103-115-119-127-131-133-149-175-181-
183-199-550-620-650-670-700-710-730-735-740-800-810-830-112000-

VIRGINIA COUNTIES INCLUDED ARE

ACCOMACK	CHARLES CITY	GLOUCESTER
ISLE OF WIGHT	JAMES CITY	KING AND QUEEN
KING WILLIAM	LANCASTER	MATHEWS
MIDDLESEX	NEW KENT	KING AND QUEEN
NORTHUMBERLAND	PRINCE GEORGE	SOUTHAMPTON
SURRY	SUSSEX	YORK

VIRGINIA INDEPENDENT CITIES INCLUDED ARE

CITY OF HOPEWELL	CITY OF PETERSBURG
CITY OF PORTSMOUTH	CITY OF VIRGINIA BEACH
CITY OF WILLIAMSBURG	CITY OF NEWPORT NEWS
CITY OF POQUOSON	CITY OF HAMPTON
CITY OF NORFOLK	CITY OF SUFFOLK
CITY OF CHESAPEAKE	CITY OF FRANKLIN

MDC019-039-045-047112000-

MARYLAND COUNTIES INCLUDED ARE

DORECHESTER	SOMERSET	WICOMICO
WORCESTER		

\$\$

3. Severe Thunderstorm Warning.

WUUS54 KFWD 192344
SVRFTW
TXC333-200030-
/NEW.KFTW.SV.W.0035.020319T2343Z-020320T0030Z/

BULLETIN - IMMEDIATE BROADCAST REQUESTED
SEVERE THUNDERSTORM WARNING
NATIONAL WEATHER SERVICE FORT WORTH TX
543 PM CST TUE MAR 19 2002

THE NATIONAL WEATHER SERVICE IN FORT WORTH
HAS ISSUED A

* SEVERE THUNDERSTORM WARNING FOR...
MILLS COUNTY IN NORTH CENTRAL TEXAS

* UNTIL 630 PM CST

* AT 543 PM CST...NATIONAL WEATHER SERVICE DOPPLER RADAR DETECTED A
SEVERE THUNDERSTORM 15 MILES WEST OF GOLDTHWAITE...MOVING
NORTHEAST AT 50 MPH. DAMAGING WINDS IN EXCESS OF 60 MPH ARE LIKELY
WITH THIS STORM.

* THE SEVERE THUNDERSTORM WILL BE NEAR...
GOLDTHWAITE AROUND 600 PM...

TAKE COVER IN A STURDY STRUCTURE UNTIL THE STORM PASSES. A TORNADO
WATCH IS IN EFFECT FOR THE WARNING AREA. SEVERE THUNDERSTORMS CAN
PRODUCE TORNADOES WITH LITTLE OR NO WARNING.

LAT...LON 3147 9905 3126 9857 3143 9831 3172 9852
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4. Tornado Warning.

WFUS52 KMHX 061730
TORMHX
NCC013-147-061815-
/NEW.KMHX.TO.W.0015.970506T1830Z-970506T1915Z/

BULLETIN - EAS ACTIVATION REQUESTED
TORNADO WARNING
NATIONAL WEATHER SERVICE NEWPORT/MOREHEAD CITY NC
130 PM EDT TUE MAY 6 1997

THE NATIONAL WEATHER SERVICE IN NEWPORT/MOREHEAD CITY
HAS ISSUED A

* TORNADO WARNING FOR...
PITT COUNTY IN EASTERN NORTH CAROLINA
BEAUFORT COUNTY IN EASTERN NORTH CAROLINA

* UNTIL 215 PM EDT

* AT 130 PM EDT...NATIONAL WEATHER SERVICE DOPPLER
RADAR INDICATED A TORNADO 5 MILES NORTH OF
WINTERVILLE...MOVING TO THE EAST AT 20 MPH.

* THE TORNADO WILL BE NEAR...
SIMPSON AROUND 140 PM...
GRIMESLAND AROUND 145 PM...
WASHINGTON AROUND 155 PM...

PERSONS IN OR CLOSE TO THE WARNED AREA...TAKE SHELTER IN A BASEMENT
OR SMALL INTERIOR ROOM...AWAY FROM WINDOWS.

LAT...LON 4267 7449 4267 7440 4267 7430 4267 7450

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5. Severe Weather Statement.

WWUS53 KSTL 192306
SVSSTL
MOC063-192330-
/CON.KSTL.SV.W.0035.980619T2306Z-980619T2330Z/

SEVERE WEATHER STATEMENT
NATIONAL WEATHER SERVICE ST LOUIS MO
606 PM CDT FRI JUN 19 1998

...SEVERE THUNDERSTORM WARNING FOR FRANKLIN COUNTY IN EAST CENTRAL
MISSOURI UNTIL 630 PM CDT...

AT 605 PM....SEVERE THUNDERSTORMS WERE LOCATED OVER UNION. AT 604
PM...SPOTTERS REPORTED TENNIS BALL SIZE HAIL 6 MILES WEST OF UNION.
THESE STORMS WILL CONTINUE MOVING NORTHEAST NEAR 40 MPH AND BE
NEAR LABADIE BY 620 PM AND NEAR MATSON BY 625 PM.

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LAT...LON 4267 7449 4267 7440 4267 7430 4267 7450

JACKSON

6. Watch County Notification Message

PURPOSE I: ISSUING

WWUS64 KSHV 261715
WCNSHV

WATCH COUNTY NOTIFICATION FOR WATCH 1002
NATIONAL WEATHER SERVICE SHREVEPORT LA
1215 PM CDT SUN MAY 26 2001

ARC027-057-061-073-081-091-099-133-139-LAC013-015-017-027-031-081-119-
TXC037-063-067-183-203-315-343-365-459-270100-
/NEW.KSHV.TO.A.1002.010526T1715Z-010527T0100Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED TORNADO WATCH 1002 UNTIL
700 PM CDT TONIGHT FOR THE FOLLOWING COUNTIES AND PARISHES:

IN ARKANSAS:

COLUMBIA	HEMPSTEAD	HOWARD
LAFAYETTE	LITTLE RIVER	MILLER
NEVADA	SEVIER	UNION

IN LOUISIANA:

BIENVILLE	BOSSIER	CADDO
CLAIBORNE	DE SOTO	RED RIVER
WEBSTER		

IN TEXAS:

BOWIE	CAMP	CASS
GREGG	HARRISON	MARION
MORRIS	PANOLA	UPSHUR

THIS INCLUDES THE CITIES OF...SHREVEPORT...TEXARKANA...AND EL DORADO.

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A TORNADO WATCH MEANS SEVERE THUNDERSTORMS AND TORNADOES ARE
POSSIBLE IN AND NEAR THE WATCH AREA. LISTEN TO NOAA WEATHER RADIO...
COMMERCIAL RADIO OR TELEVISION FOR FURTHER INFORMATION.

NWSI 10-511 OCTOBER 1, 2003

WWUS65 KPSR 282005
WCNPSR

WATCH COUNTY NOTIFICATION FOR WATCH 1530
NATIONAL WEATHER SERVICE PHOENIX AZ
105 PM MST (1205 PM PST) MON OCT 28 2002

AZC012-027-CAC025-065-290400-
/NEW.KPSR.SV.A.1530.021028T2005Z-021029T0400Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM
WATCH 1530 UNTIL 900 PM MST (800 PM PST) TONIGHT FOR THE FOLLOWING
COUNTIES:

IN ARIZONA:

LAPAZ YUMA

IN CALIFORNIA:

IMPERIAL RIVERSIDE

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WWUS65 KVEF 282005
WCNVEF

WATCH COUNTY NOTIFICATION FOR WATCH 1530
NATIONAL WEATHER SERVICE LAS VEGAS NV
1205 PM PST (105 PM MST) MON OCT 28 2002

AZC015-CAC071-NV003-290400-
/NEW.KVEF.SV.A.1530.021028T2005Z-021029T0400Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM
WATCH 1530 UNTIL 900 PM MST (800 PM PST) TONIGHT FOR THE FOLLOWING
COUNTIES:

IN ARIZONA:

MOHAVE

IN CALIFORNIA:

SAN BERNADINO

IN NEVADA:

CLARK

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PURPOSE II: CANCELING

WWUS64 KSHV 270005
WCNSHV

WATCH COUNTY NOTIFICATION FOR WATCH 1002
NATIONAL WEATHER SERVICE SHREVEPORT LA
705 PM CDT SUN MAY 26 2001

ARC027-057-073-091-099-139-LAC013-015-017-027-031-081-119-TXC037-063-
067-183-203-315-343-365-459-270100-
/CAN.KSHV.TO.A.1002.010527T0000Z-010527T0100Z/

THE NATIONAL WEATHER SERVICE IN SHREVEPORT HAS CANCELED THE
FOLLOWING COUNTIES AND PARISHES REMAINING IN TORNADO WATCH 1002. NO
COUNTIES REMAIN IN THE WATCH.

IN ARKANSAS:

COLUMBIA	HEMPSTEAD	LAFAYETTE
MILLER	NEVADA	UNION

IN LOUISIANA:

BIENVILLE	BOSSIER	CADDO
CLAIBORNE	DE SOTO	RED RIVER
WEBSTER		

IN TEXAS:

BOWIE	CAMP	CASS
GREGG	HARRISON	MARION
MORRIS	PANOLA	UPSHUR

THIS INCLUDES THE CITIES OF...SHREVEPORT...TEXARKANA...AND EL DORADO.

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NWSI 10-511 OCTOBER 1, 2003

WWUS65 KPSR 282245
WCNPSR

WATCH COUNTY NOTIFICATION FOR WATCH 1530
NATIONAL WEATHER SERVICE PHOENIX AZ
345 PM MST (245 PM PST) MON OCT 28 2002

CAC065-290400-
/CAN.KPSR.SV.A.1530.021028T0000Z-021029T0400Z/

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS CANCELED A PORTION OF
SEVERE THUNDERSTORM WATCH 1530. COUNTIES CANCELED FROM THE SEVERE
THUNDERSTORM WATCH INCLUDE:

IN CALIFORNIA:

RIVERSIDE

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AZC012-027-CAC025-290400-
/CON.KPSR.SV.A.1530.0105T000000Z-0105T270100Z/

SEVERE THUNDERSTORM WATCH 1530 REMAINS VALID UNTIL 900 PM MST (800
PM MST) FOR THE FOLLOWING COUNTIES:

IN ARIZONA:

LA PAZ YUMA

IN CALIFORNIA:

IMPERIAL

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NWSI 10-511 OCTOBER 1, 2003

WWUS65 KVEF 282250
WCNVEF

WATCH COUNTY NOTIFICATION FOR WATCH 1530
NATIONAL WEATHER SERVICE PHOENIX AZ
245 PM PST (345 PM MST) MON OCT 28 2002

CAC071-NVC003-290400-
/CAN.KVEF.SV.A.1530.021028T0000Z-021029T0400Z/

THE NATIONAL WEATHER SERVICE IN LAS VEGAS HAS CANCELED A PORTION OF
SEVERE THUNDERSTORM WATCH 1530. COUNTIES CANCELED FROM THE SEVERE
THUNDERSTORM WATCH INCLUDE:

IN CALIFORNIA:

SAN BERNADINO

IN NEVADA:

CLARK

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NWSI 10-511 OCTOBER 1, 2003

**PURPOSE III: MULTIPLE WATCHES IN EFFECT IN - ONE WATCH IN EFFECT
WITH ANOTHER WATCH BEING ISSUED**

Note: Options are to either provide just the counties for the new watch or simultaneously introduce the new watch while clearing parts of the existing watch and listing counties remaining effect.

WWUS64 KSHV 262230
WCNSHV

WATCH COUNTY NOTIFICATION FOR WATCHES 1002 AND 1003
NATIONAL WEATHER SERVICE SHREVEPORT LA
530 PM CDT SUN 26 MAY 2001

LAC020-021-049-069-073-085-127-270300-
/NEW.KSHV.SV.A.1003.010526T2230Z-010527T0300Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM
WATCH 1003 IN EFFECT UNTIL 900 PM CDT FOR THE FOLLOWING COUNTIES AND
PARISHES:

IN LOUISIANA:

GRANT	CALDWELL	JACKSON
NATCHITOCHES	SABINE	WINN
OUACHITA		

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ARC061-081-133-270100-
/CAN.KSHV.SV.A.1002.050126T0000Z-050127T0100Z/

THE NATIONAL WEATHER SERVICE IN SHREVEPORT HAS CANCELED A PORTION
OF SEVERE THUNDERSTORM WATCH 1002. COUNTIES CANCELED FROM THE
WATCH INCLUDE:

IN ARKANSAS:

HOWARD	LITTLE RIVER	SEVIER
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NWSI 10-511 OCTOBER 1, 2003

ARC027-057-073-091-099-139-LAC013-015-017-027-031-081-119-TXC037-063-
067-183-203-315-343-365-459-270100-
/CON.KSHV.SV.A.1002.050126T0000Z-050127T0100Z/

SEVERE THUNDERSTORM WATCH 1002 REMAINS IN EFFECT UNTIL 700 PM CDT
FOR THE FOLLOWING COUNTIES AND PARISHES:

IN ARKANSAS:

COLUMBIA	HEMPSTEAD	LAFAYETTE
MILLER	NEVADA	UNION

IN LOUISIANA:

BIENVILLE	BOSSIER	CADDO
CLAIBORNE	DE SOTO	RED RIVER
WEBSTER		

IN TEXAS:

BOWIE	CAMP	CASS
GREGG	HARRISON	MARION
MORRIS	PANOLA	UPSHUR

THIS INCLUDES THE CITIES OF...SHREVEPORT...TEXARKANA...AND EL DORADO.

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